

## WEED FLORA OF KHAMMAM DISTRICT IN ANDHRA PRADESH, INDIA

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### ABSTRACT

A summary of the weed flora of Khammam District is provided.

KEY WORDS: Floristics, invasive species, India

### INTRODUCTION

Khammam District in Andhra Pradesh lies between 16° 45' and 18° 35' north latitude and between 79° 47' and 80° 47' east longitude. The district ranks sixth in the state with respect to area, covering 15,921 square kilometers, and is very rich in vegetation—particularly the ground flora. Khammam District has not been well explored floristically. A few botanists made random collections during brief periods over the past 90 years (Partridge 1911; Sayeedud-Din 1935-1941; Saxena 1944-1946; Khan 1953). Therefore, the present work is undertaken to summarize detailed observations on the wealth of weed species and floristic components.

### ENUMERATION OF SPECIES

Identifications of plant material collected were made with help of *Flora of Madras Presidency* and *Flora of British India*, and later authenticated by the botanical Survey of India.

ACANTHACEAE: *Andrographis echiooides* L.; *Andrographis paniculata* (Burn. f.) Nees; *Blepharis asperrima* Nees; *Barleria strigosa* Wall.; *Dipterocanthus prostratus* (Poir.) Nees; *Justicia glauca* Rottl.; *Justicia procumbens* L.; *Justicia simplex* D. Don. *Ruellia tuberosa* L.; *Rungia pectinata* (L.) Nees; *Rungia repens* Nees.

- AIZOACEAE: *Giseckia pharmacoides* L. *Glinus lotoides* L.; *Glinus oppositifolius* (L.) A. DC.; *Mollugo nudicaulis* Lamk.; *Mollugo pentaphylla* L.; *Trianthema portulacastrum* L.
- AMARANTHACEAE: *Achyranthes aspera* L.; *Aerva lanata* (L.) Juss.; *Alla-  
mania nodiflora* (L.) R.Br.; *Alternanthera sessilis* (L.) R.Br. *Amaranthus  
spinosus* L.; *Digera muricata* (L.) Beitr.; *Gomphrena decumbens* Jacq.
- APOCYNACEAE: *Catharanthus pusillus* (Murr.) G. Don; *Catharanthus roseus*  
(L.) G. Don.
- ASCLEPIADACEAE: *Calotropis gigantea* (L.) R.Br.; *Pergularia aemia* (Forsk.)  
Chiov.; *Tylophora indica* (Burn. f.) Merrill.
- ASTERACEAE: *Acanthospermum hispidum* DC.; *Ageratum conyzoides* L.;  
*Caesulia azillaris* Roxb.; *Eclipta alba* L.; *Emilia sonchifolia* (L.) DC.;  
*Parthenium hysterophorus* L. *Sonchus oleraceus* L.; *Sphaeranthus indi-  
cus* L.; *Tridax procumbens* L.; *Vernonia cinerea* (L.) Less.; *Xanthium  
strumarium* L.
- BORAGINACEAE: *Coldenia procumbens* L.; *Heliotropium indicum* L.; *He-  
liotropium scabrum* Retz.; *Trichodesma indicum* (L.) R.Br.
- CAESALPINACEAE: *Cassia absus* L. *Cassia occidentalis* L.; *Cassia sophora*  
L.; *Cassia tora* L.
- CAPPARIDACEAE: *Capparis zeylanica* L. *Cleome aspera* Koenig.; *Cleome  
monophylla* L.; *Cleome viscosa* L.; *Gynandropsis pentaphylla* (L.) DC.
- COMMELINACEAE: *Commelina attenuata* Koenig; *Commelina bengalen-  
sis* L.; *Commelina erecta* L.; *Commelina longifolia* Lamk.; *Cyanotis az-  
illaris* Roem. & Schult.
- CONVOLVULACEAE: *Ipomoea carnea* Jacq.; *Ipomoea hederifolia* L.; *Ipo-  
moea nil* (L.) Roth.; *Ipomoea pestigradis* L.; *Merremia emarginata* (Burn.  
f.) Hall; *Merremia tridentata* (L.) Hall.
- CUCURBITACEAE: *Bryonopsis laciniosa* (L.) Naud.; *Ctenolepis garcini*  
Naud. *Cucumis trigonus* Roxb.; *Mukia scabrella* Arn.
- CYPERACEAE: *Cyperus alopecuroides* Roth.; *Cyperus cephalotus* Vahl.;  
*Cyperus compactus* Retz.; *Cyperus difformis* L.; *Cyperus distans* L.;  
*Cyperus iria* L.; *Cyperus platystylis* R.Br.; *Cyperus triceps* (Rottb.) Endl.;  
*Fimbristylis dichotoma* (L.) Vahl.; *Fimbristylis ovata* Burn. f.

EUPHORBIACEAE: *Acalypha indica* L.; *Chrozophora rottleri* (Geiss.) Juss.; *Croton bonplandianum* Baill.; *Euphorbia hirta* L.; *Micrococca mercurialis* (L.) Benth.; *Phyllanthus amarus* Schum. & Thorn.; *Phyllanthus debilis* Klein.; *Phyllanthus maderaspatensis* L.; *Phyllanthus virgatus* Forst.; *Sebastiania chamaelea* (L.) Muell.

FABACEAE: *Alysicarpus monilifer* (L.) DC.; *Atylosia rugosa* W. & A.; *Atylosia scarabaeoides* (L.) Benth.; *Crotalaria linifolia* L.; *Crotalaria nana* Burn.; *Crotalaria prostrata* Rottl.; *Crotalaria verrucosa* L.; *Desmodium gangetium* (L.) DC.; *Desmodium triflorum* (L.) DC.; *Rhynchosia minima* (L.) DC. *Rhynchosia suaveolens* (L. f.) DC.; *Tephrosia hirta* Ham.; *Tephrosia procumbens* Buch-Ham.; *Tephrosia purpurea* L.; *Zornia diphylla* Pers.

LAMIACEAE: *Acrocephalus indicus* (Burn. f.) O. Ktze.; *Anisochilus carnosus* (L.) Wall.; *Anisomeles indica* (L.) O. Ktze.; *Hyptis suaveolens* (L.) Poir.; *Leucas aspera* (Willd.) Spr. *Ocimum americanum* L.; *Ocimum basilicum* L.

MALVACEAE: *Pavonia zeylanica* Con. *Sida acuta* Burn. f.; *Sida cordifolia* L.; *Sida rhombifolia* L.; *Sida veronicifolia* Lamk.; *Urena lobata* L.

PAPAVERACEAE: *Argemone mexicana* L.

PEDALIACEAE: *Martynia annua* L. *Pedaliium murex* L.

POACEAE: *Apluda mutica* L.; *Aristida funiculata* Trin. & Rupr.; *Brachiaria distachya* L.; *Cynodon dactylon* (L.) Pers.; *Dactyloctenium aegyptium* (L.) Beauv. *Eragrostiella bifaria* (Vahl.) Bor.; *Eragrostis tenella* (L.) Beauv.; *Eragrostis uniolooides* Nees; *Panicum repens* L.; *Perotis indica* (L.) O. Ktze.; *Themeda triandra* Forsk.; *Urochloa panicoides* Beauv.

PORTULACACEAE: *Portulaca oleracea* L.; *Portulaca quadrifida* L.

RUBIACEAE: *Borreria articularis* (L. f.) Williams.; *Borreria stricta* (L.) K. Schum.; *Galium asperifolium* Wall. *Knozia sumatrensis* (Retz.) DC.; *Oldenlandia corymbosa* L.; *Oldenlandia herbacea* (L.) Roxb.; *Oldenlandia umbellata* L.

SAPINDACEAE: *Cardiospermum halicacabum* L.; *Dodonaea viscosa* (L.) Jacq.

SCROPHULARIACEAE: *Bacopa monnieri* (L.) Pennell; *Lindernia crustacea* (L.) F. Muller; *Scoparia dulcis* L.; *Stemodia viscosa* Roxb.; *Striga densiflora* Benth.

SOLANACEAE: *Physalis minima* L. *Solanum nigrum* L.; *Solanum surattense* Burn.; *Solanum trilobatum* L.

STERCULIACEAE: *Buettneria herbacea* Roxb.; *Helicteres isora* L.; *Melhania cannabina* Wight. *Waltheria americana* L.

TILIACEAE: *Corchorus aestuans* L. *Triumfetta pentandra* A. Rich.; *Triumfetta rhomboidea* Jacq.

VERBENACEAE: *Lantana camara* L.; *Lippia nodiflora* Mich.

ZYGOPHYLLACEAE: *Tribulus terrestris* L.

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